Appendix C

Avid/Euphonix EuCon Support

Avid bought Euphonix in April 2010 and added support for EuCon with Pro Tools 9. Pro Tools 9 supports EuCon natively to allow EuCon commands to directly connect to the application for full control integration.

The following information has been edited, summarized, and originally sourced from Avid's Euphonix Web sites at www.euphonix.com/pro/ and www.euphonix.com/artist/: Euphonix offers a range of mixing consoles and DAW controllers, including the System 5 and MC Pro, that are gaining wider acceptance in professional audio recording and audio-for-video postproduction studios. Euphonix also offers its Artist Series controllers designed for desktop use in smaller project studios.

These DAW controllers use a communications protocol known as EuCon that uses high-speed Ethernet to communicate with the DAWs and also supports HUI and Mackie Control protocols to widen the compatibility.

EuCon aware DAW applications, such as Pro Tools, Logic Pro, Soundtrack Pro, Final Cut Pro, Digital Performer, Nuendo, and Pyramix, that directly support the EuCon protocol, have an extremely high level of integration, with high-resolution, high-speed connectivity to almost all the DAWs functions. Control is fast and highly responsive. In addition to fader, pan, aux sends, metering, and routing, EuCon allows access to the

track's plug-ins from the eight knobs on the System 5 channels strips, as well as the MC Pro's eight knobs.

Pro Tools 8 and earlier versions connect to Euphonix consoles and controllers through the HUI protocol. Sending data through EuCon over Ethernet is much faster and at a higher resolution than sending HUI or Mackie Control commands over MIDI.

Artist Series Controllers

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Figure C.1 Artist Series Controllers: MC Transport, MC Control and up to Four MC Mix Units Can Snap Together to Build Larger Mixing and Editing Systems in Any Combination.

Artist Series controllers are perfect for anyone who wants to record, edit, and mix "in the box." Music I/O solutions from Apogee and Metric Halo also include EuCon integration, enabling direct control over preamp settings, routing, headphone mixes, output levels, and much more directly from the surface.

Euphonix offers its Artist Series products, including the MC Control V2 with four faders, and eight touch-sensitive rotary encoders, and a jog/shuttle/zoom wheel and transport controls for music, audio post, or video applications.

This series also includes the MC Mix which has eight faders, eight rotary controls, and eight associated displays for surround metering, parameter, and track names that can be

used separately or linked with up to three additional units, one of which could be an MC Control unit.

MC Transport provides you with an ultra-high resolution jog wheel and a host of transport controls and soft keys, making one-handed navigation and editing of your project a breeze. MC Transport can be used on its own or with any combination of MC Control and MC Mix units.

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Figure C.2 MC Transport, MC Mix, MC Control v2.

MC Mix, with its eight faders and knobs, provides high-quality level and plug-in control with features previously only available in high-end consoles. The MC Mix is a perfect starting point for any music setup, helping to speed up and enhance creativity by providing professional hands-on mixing control of your favorite audio applications. And if you need more faders, you can add multiple MC Mix units and an MC Control for up to 36 faders.

Figure C.0

MC Control v2 helps speed up the process of accessing keystroke commands, and it can be programmed to suit your particular way of working. With transport keys and jog/shuttle wheel, four faders and the ability to work with any application, MC Control competes very effectively with rival music controllers.

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Figure C.3 MC Control v2 Key Features.

Pro Series Controllers

The Euphonix MC Pro and System 5-MC controllers use EuCon to communicate with DAWs and video editing applications. The Euphonix System 5 range of digital audio mixing systems, communicate with DAWs through the EuCon Hybrid PC option.

EuCon allows the MC Pro and System 5-MC controllers to switch between multiple workstations on the network at the touch of a button. Provided a workstation has the EuCon Client application installed, it will be "seen" by the MC Pro and System 5-MC for control. System 5 console systems connect to multiple workstations through the EuCon Hybrid Option PC, allowing tracks from multiple workstations to be brought onto the surface next to each other in any order and saved as "Layouts" for easy recall of track layouts.

A unique feature of the MC Pro is its ability to recognize the application in focus and switch its control surface to match that application. EuCon facilitates this process. It is even possible to have one application in focus controlled from the MC Pro while certain controls, such as transport controls, are controlling another application in the background.

MC Pro

The MC Pro is the professional version of the Euphonix Artist Series MC Control. It provides precise and fast control over workstation functions through EuCon and speeds up working with any application as the surface detects the latest active application (the application that is in focus up front) and resets all controls to match.

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Figure C.4 MC Pro Controlling Digital Performer.

System 5-MC

The System 5-MC DAW controller combines the Euphonix System 5 control surface's banks of channel strips with an MC Pro controller.

The control surface can include up to six banks of eight-channel System 5 channel strips and includes the MC Pro for master console functions and network control of multiple DAWs.

The System 5-MC can work with any application that supports EuCon, HUI, or Mackie Control protocol, and can switch between multiple Mac and PC workstations.

It features Studio Monitor Pro for surround monitoring and has interfaces to ASIO and Core Audio I/O hardware.

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Figure C.5 System 5-MC Controlling Pro Tools.